



Workshop on Experimental methods in Thermoacoustics



Day 1, Wednesday 5th February 2014, IIT Madras.

09:30 – 10:00	Registration	
10:00 – 10:30	Workshop aim & scope; Introduction of participants	R. I. Sujith, IIT Madras, India Maria Heckl, Keele, UK
10:30 – 11:00	Tea Break	
11:00 – 12:00	Classical Measurements in thermoacoustics	Maria Heckl, Keele, UK
12:00 – 13:00	Stochastic aspects of combustors' thermoacoustics	Nicolas Noiray, Alstom, Switzerland
13:00 – 14:00	Lunch	
14:00 – 15:00	Linear time series analysis - 1	Wolfgang Polifke, TU Munich, Germany
15:00 – 16:00	Low reflecting boundaries in combustion chambers	Nicolas Noiray, Alstom, Switzerland
16:00 – 16:30	Tea Break	
16:30 – 17:30	Fundamentals of passive control of thermoacoustic instabilities	Maria Heckl, Keele, UK



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Day 2, Thursday 6th February 2014, IIT Madras.

09:00 – 10:00	Measurements in thermoacoustic systems: Why we measure?; What we measure?; How we measure?	Simone Hochgreb, Cambridge, UK
10:00 – 11:00	Linear time series analysis - 2	Arun Tangirala, IIT Madras
11:00 – 11:30	Tea Break	
11:30 – 12:30	Nonlinear time series analysis	R. I. Sujith, IIT Madras, India
12:30 – 13:30	Measurements and their applications	Simone Hochgreb, Cambridge, UK
13:30 – 14:30	Lunch	
14:30 – 15:30	Active control of thermoacoustic instabilities	Jakob Hermann, IFTA, Germany
15:30 – 16:00	Tea Break	
16:00 – 17:00	Experimental studies of turbulent combustion in the context of thermoacoustic instabilities	Simone Hochgreb, Cambridge, UK
18:00 – 19:00	Cultural program at CLT	
19:15 – 21:00	Conference Dinner	



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Day 3, Friday 7th February 2014, IIT Madras.

09.00 – 10.00	Thermoacoustics of annular combustors	Nicolas Noiray, Alstom, Switzerland
10:00 – 11:00	New insights into mechanisms of combustion instability in dump and swirl combustors	S. R. Chakravarthy, IIT Madras,
11.00 – 11.30	Tea Break	
11.30 – 12.30	Optical diagnostics of thermoacoustic instability: Velocity, fuel flow rate, temperature fluctuations	Saptarshi Basu, IISc Bangalore
12.30 – 13.30	Blow-off dynamics & its measurement	Swetaprovo Chaudhury, IISc Bangalore
13.30 – 14.30	Lunch	
14.30 – 15.30	Practical issues in thermoacoustics	<i>Panel discussion</i>



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Details of Registration Fee

Euro 180 (One hundred and eighty euros). Please wire transfer to the account no: 33593443011. SWIFT code: SBININBB453

Contact Personnel

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